			<i>V</i>
	Application No.	Applicant(s)	4
AL C. CAN LING	10/700,532	LIN ET AL.	
Notice of Allowability	Examiner	Art Unit	
	Tho v Duong	3743	
The MAILING DATE of this communication appeals of the communication appeals claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT ROT the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in the or other appropriate communication. This application is sub-	is application. If not included cation will be mailed in due co	ourse. THIS
1. \square This communication is responsive to <u>12/1/2004</u> .			·
2. 🛮 The allowed claim(s) is/are <u>1-16</u> .			
3.~igotimes The drawings filed on $ hinspace 05$ November 2003 are accepted by	the Examiner.		
4. Acknowledgment is made of a claim for foreign priority unall All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority do International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 5. A SUBSTITUTE OATH OR DECLARATION must be submin INFORMAL PATENT APPLICATION (PTO-152) which give (a) including changes required by the Notice of Draftspers 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner' Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in the company of the proper of the proper of the deposit of the proper of the priority of the deposit of the priority of the priority of the deposit of the priority	e been received. e been received in Application Note the communication to file a MENT of this application. Initted. Note the attached EXAM es reason(s) why the oath or dest be submitted. Is a Amendment / Comment or in the communication to the header according to 37 CFR 10 sit of BIOLOGICAL MATER	No In this national stage application this national stage application reply complying with the requi INER'S AMENDMENT or NO reclaration is deficient. PTO-948) attached the Office action of drawings in the front (not the ball.121(d). IAL must be submitted. No	irements TICE OF
Attachment(s)	□ Nation of Inform	and Detent Application (DTO	150)
1. Notice of References Cited (PTO-892)		mal Patent Application (PTO-1	152)
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	6. Interview Sum Paper No./Ma	nil Date	
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date			
4. Examiner's Comment Regarding Requirement for Deposit		atement of Reasons for Allowa	ance
of Biological Material	9. 🗌 Other	Tho v Duong Examiner Art Unit: 3743	rof

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DETAILED ACTION

Receipt of applicant's response to the election of species requirement filed 12/1/2004 is acknowledged.

Allowable Subject Matter

Claims 1-3 and 5-16 are allowed. Since the claim 1 is generic and allowable, the previous election of species requirement has been withdrawn. Claim 4 is now rejoined. Therefore, claims 1-16 are now allowed.

The following is an examiner's statement of reasons for allowance: the prior art of record either taken singular or in combination fails to disclose that each substrate includes one slot through out of two corresponding end plates of the same side for locating the connection portion, the corresponding end plates each includes an opening with respect to the slot for partially moving the curved portion, which has been described in the specification for shorting the distance between vertical member of the heat pipe and the heat sinks. Reference to Liu is the closest prior art, however, Liu does not disclose that the end plates includes an opening for partially moving the curved portion. In Liu's reference, the slot forms an opening at one end of the substrate and the slot is for locating the connecting portion. Therefore the opening is not capable for partially moving in the curved portion.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Li (US 6,796,373) discloses a heat sink module that has a U-shape heat pipe disposed inside a heat sink.

Liu (US 6,651,734) discloses a multi-element heat-dissipating module that has a heat pipe connecting two heat sinks together.

Chen (US 2003/0141041A1) discloses a tube style radiator structure for computer.

Lai et al. (US 20030173061A1) discloses a heat dissipation device with working liquid received in circulation route.

Lee et al. (US 20030230398A1) discloses a heat dissipation device having a U-shape heat pipe embedded in a substrate of a heat sink.

Chen et al. (US 6,394,175) discloses a top mounted cooling device using heat pipes.

Liu (US 20040226697A1) discloses a heat-dissipating module.

Liu (US 20030019610A1) discloses a rapidly self-heat conductive heat-dissipating module.

Goth et al. (US 5,699,853) discloses a combined heat sink and sink plate.

Shih (US 6,396,693) discloses a dual heat sink.

Goodman et al. (US 6,189,601) discloses a heat sink with a heat pipe for spreading of heat.

Yu (US 5,959,837) discloses heat-radiating structure for CPU.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tho v Duong whose telephone number is 571-272-4793. The examiner can normally be reached on M-F (first Friday off).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Henry Bennet can be reached on 571-272-4791. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Morandro
Tho v Duong

Examiner

Art Unit 3743

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December 10, 2004